

HVACR Maintenance and Contracting

Retail, Food Service, and Grocery

HVACR Maintenance Challenges

As Better Buildings partners in the Retail, Food Service, and Grocery (RFSG) sector continue to pursue energy efficiency improvements at their buildings, many of them face challenges with procuring contractual services from qualified technicians to perform preventative maintenance, tuning, and repairs of HVACR equipment.

HVACR Maintenance Contracting Best Practices

The benefits of effective maintenance include improved performance, reduced operations cost, increased equipment service life, and reduced risk of system failure. The resources below can help RFSG partners implement best practices for contractual HVACR equipment maintenance.

Practice	Description and Resources				
Identify organizational needs	► How many buildings and sites need HVACR maintenance service?				
	What is the required contractor response time? How long before an equipment failure disrupts business?				
	What services and contract type do you require?				
	 HVACR technicians can be contracted directly to perform scheduled maintenance and repairs. 				
	 Energy Service Companies (ESCOs) can be contracted to perform bundled energy management and auditing, potentially including provisions for HVACR maintenance. 				
Identify technical needs	Inventory building mechanical systems including HVAC, refrigeration, controls, and Energy Management Information Systems (EMIS) tied to HVACR equipment.				
	 Record relevant information about each unit, including the manufacturer, model, year, and date last serviced. 				
	 Review building management plans or construction operations and maintenance documents for equipment manufacturer's recommended maintenance procedures including tasks and frequency. 				
	 Identify local jurisdictional requirements and industry specific regulations. 				
	Explore the maintenance recommendations for relevant equipment types. Product manuals and manufacturer specifications generally provide the most accurate guidance.				
	o <u>HVAC</u>				
	o <u>Refrigeration</u>				
	o Compressed air systems				
	 Thermostat calibration 				
	 Other specialized systems (<u>such as kitchen and restroom water equipment</u>) 				
	Determine which preventative maintenance tasks can be performed in-house and which requires a professional technician.				

	 Assess in-house maintenance staff's capacity (e.g., knowledge, skills, experience, tools and resources) to conduct desired level of maintenance. 				
Find certified professionals	 Locate a local contractor certified by North American Technical Excellence (NATE); specialty certifications include air conditioning and commercial refrigeration. Locate contractors recognized by Air Conditioning Contractors of America (ACCA). Filter by equipment expertise and market. 				
	Ask potential contractors if they are certified as Professional Technicians or Master Specialists by <u>HVAC Excellence</u> .				
Request for Proposals	 Read through example RFPs. Review licensing requirements at the federal, state, and local levels: <u>EPA 608</u> requires require technicians who maintain, service, repair, or dispose of equipment that could release ozone-depleting refrigerants into the atmosphere to be certified. Questions to ask contractors: What training and experience do you have with the equipment installed at my building? What predictive and evaluation services do you offer? How quickly can you obtain replacement parts and send a technician to complete a repair? ACCA provides a <u>list of questions</u> contractors should be asking you. 				
	Use the framework below (or similar) to guide internal reviews of proposals and potential contractors: Assigned Weighted Some				
	Proposal Evaluation Criteria	Score [1-10]	Weight [1-5]	Weighted Score (Score x Weight)	
	Cost proposal				
Evaluate	Compliance with scope of work				
Proposals	Ability to deliver additional unspecified value				
	Qualifications, experience, and certification Quality of site visit				
	Overall Quality of the Proposal				
	Total Proposal Score				
Maintenance plans for new equipment	Some HVACR manufacturers offer inspection, maintenance, and remote monitoring services as part of the warranty on new equipment; ask your retailer if such services are available.				

